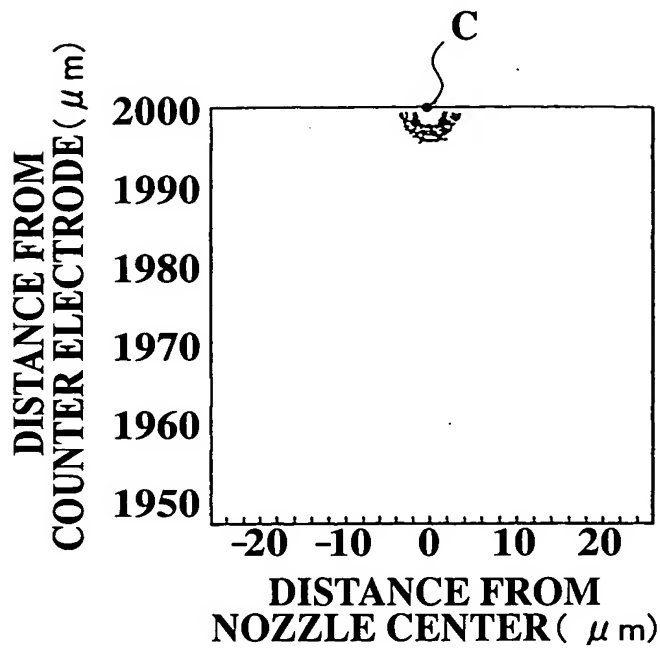
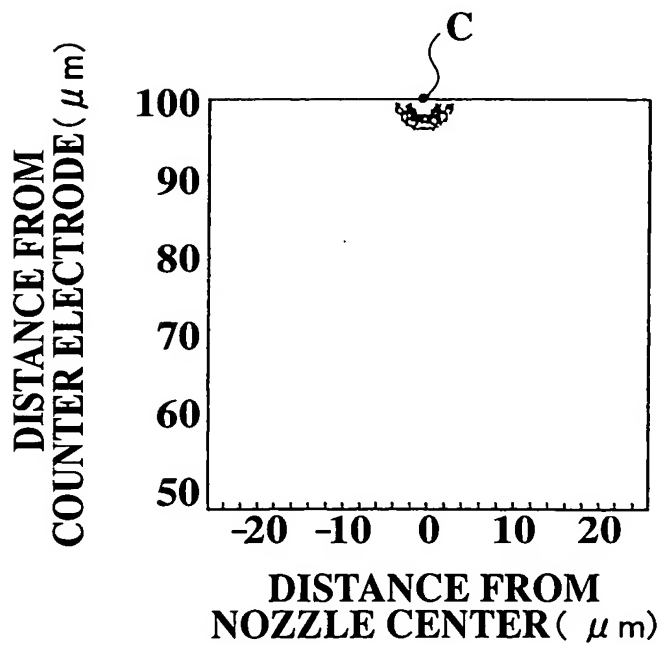
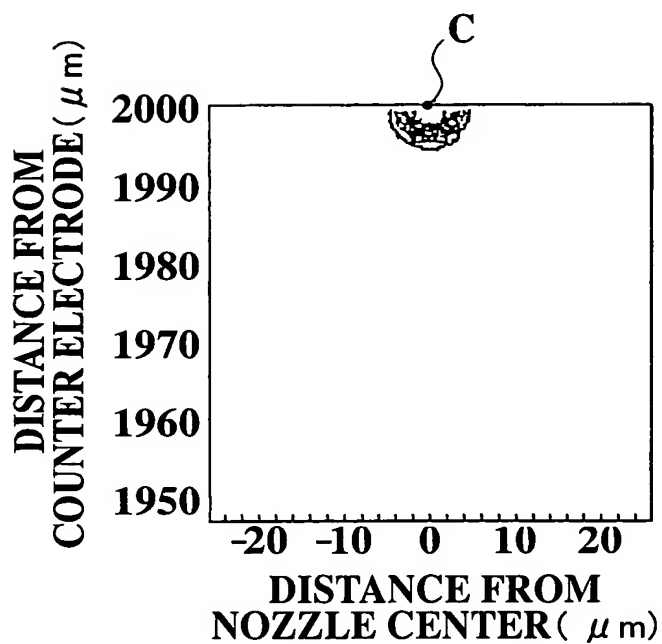
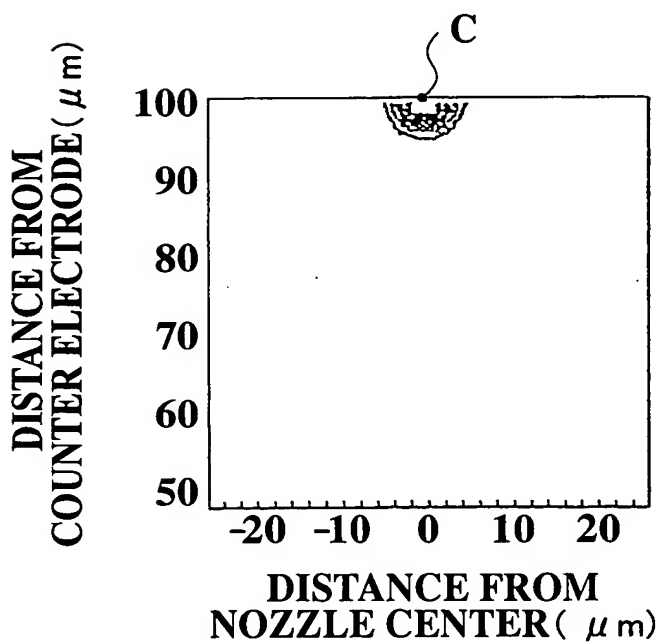


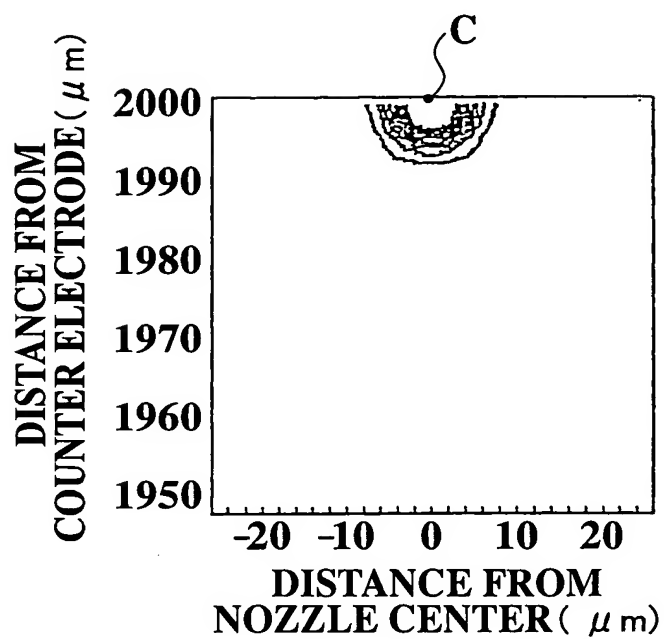
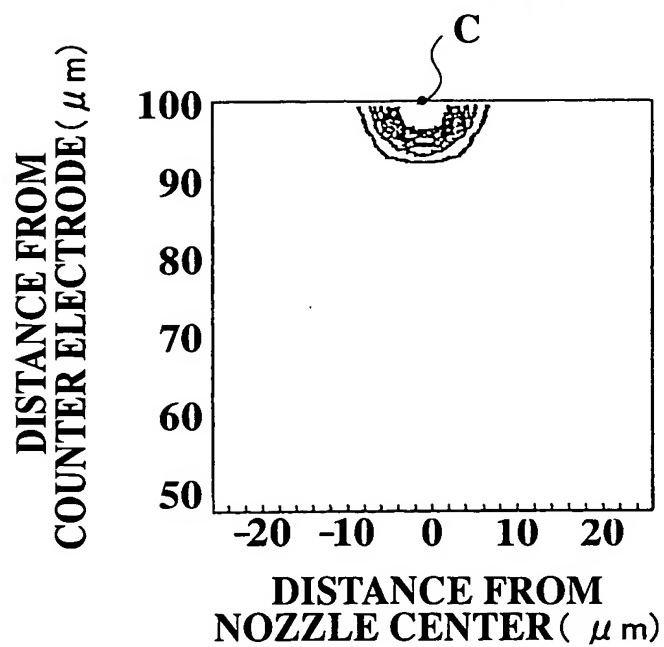
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**FIG.1A****FIG.1B**

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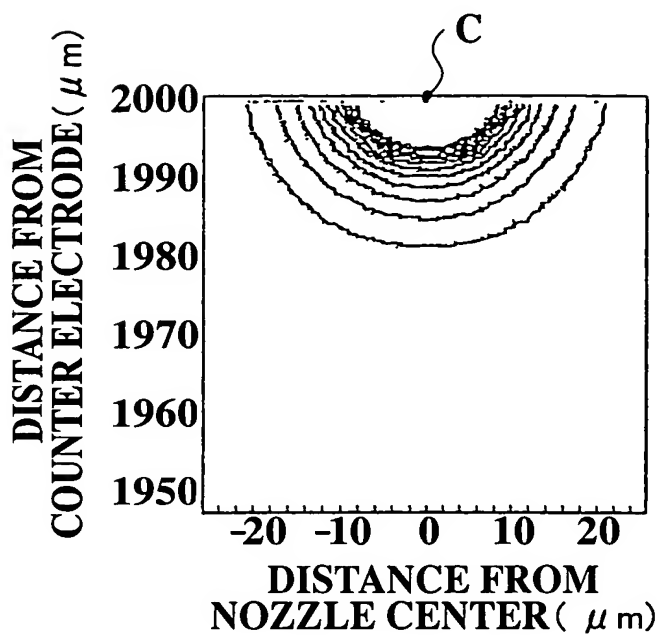
**FIG.2A****FIG.2B**

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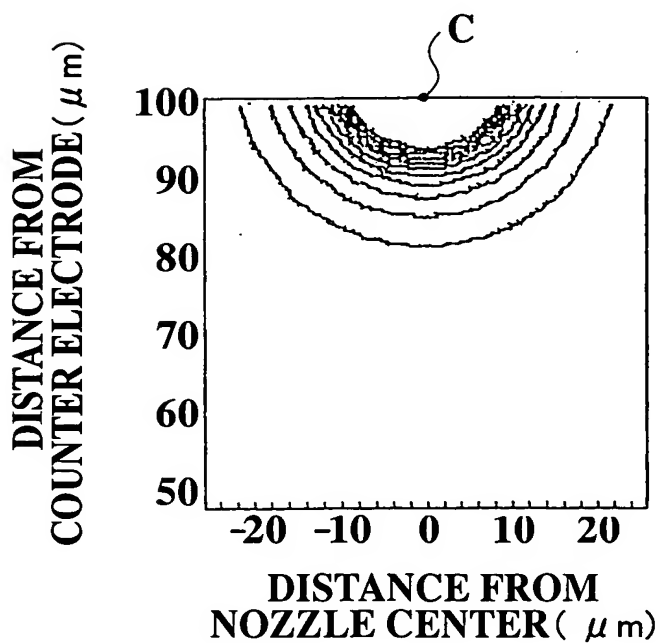
**FIG.3A****FIG.3B**

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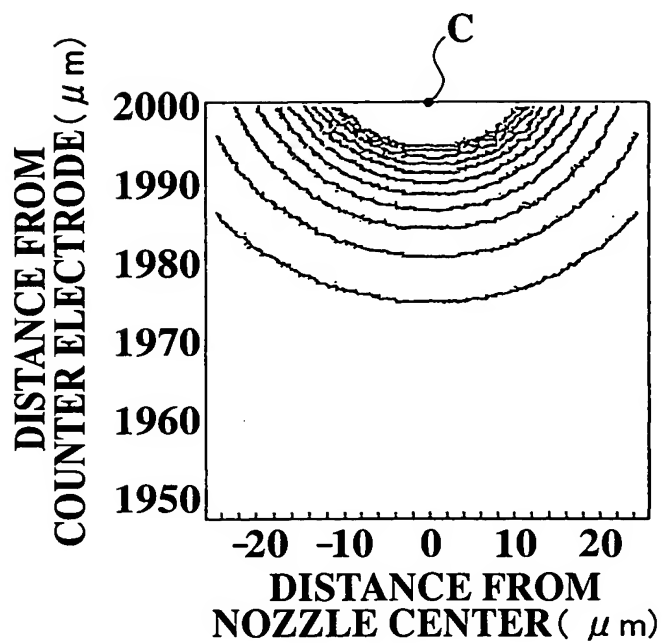
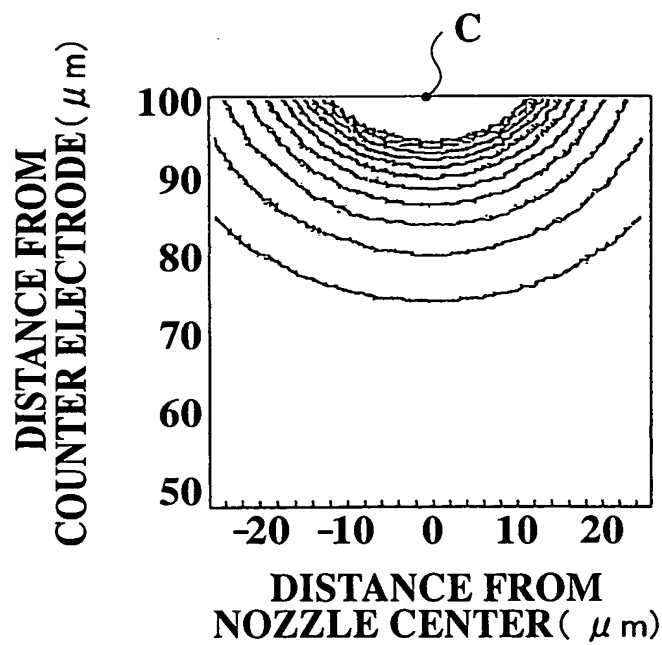
**FIG.4A**



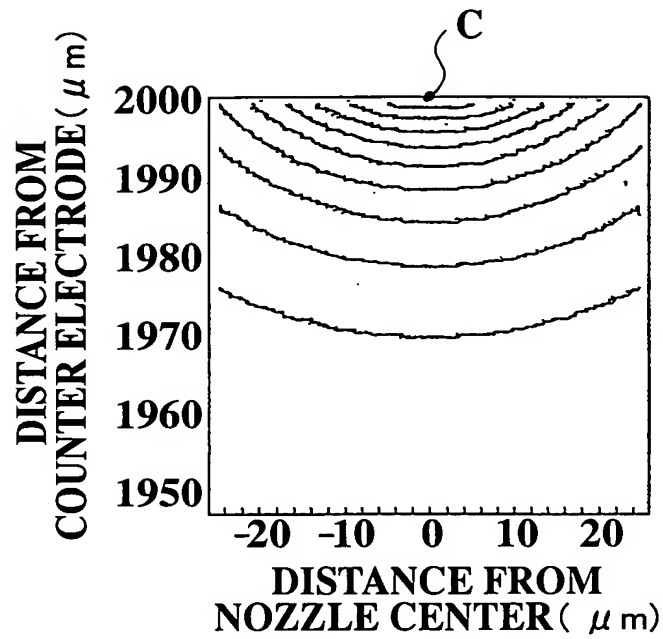
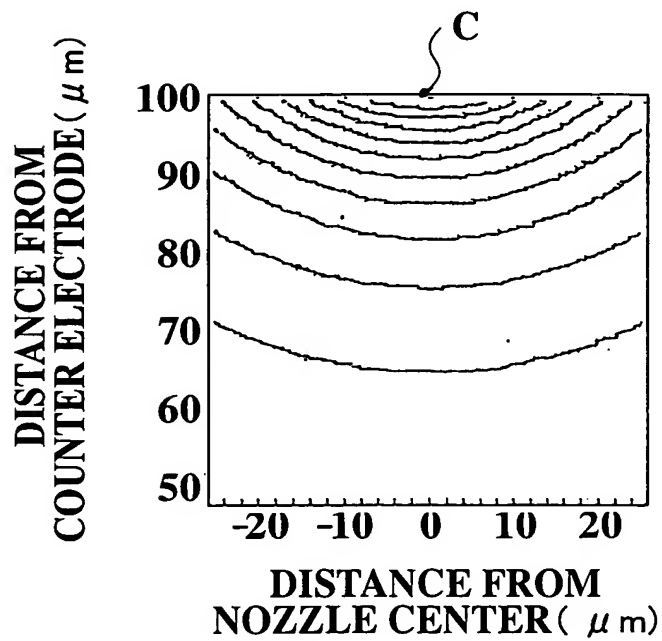
**FIG.4B**



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**FIG.5A****FIG.5B**

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**FIG. 6A****FIG. 6B**

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**FIG.7**

NOZZLE DIAMETER ( $\mu$ m)	MAXIMUM ELECTRIC FIELD INTENSITY(V/m)		COEFFICIENT OF FLUCTUATION (%)
	GAP100 ( $\mu$ m)	GAP2000 ( $\mu$ m)	
0.2	$2.001 \times 10^9$	$2.00005 \times 10^9$	0.05
0.4	$1.001 \times 10^9$	$1.00005 \times 10^9$	0.09
1	$0.401002 \times 10^9$	$0.40005 \times 10^9$	0.24
8	$0.0510196 \times 10^9$	$0.05005 \times 10^9$	1.94
20	$0.0210476 \times 10^9$	$0.0200501 \times 10^9$	4.98
50	$0.00911111 \times 10^9$	$0.00805 \times 10^9$	13.18

FIG.8

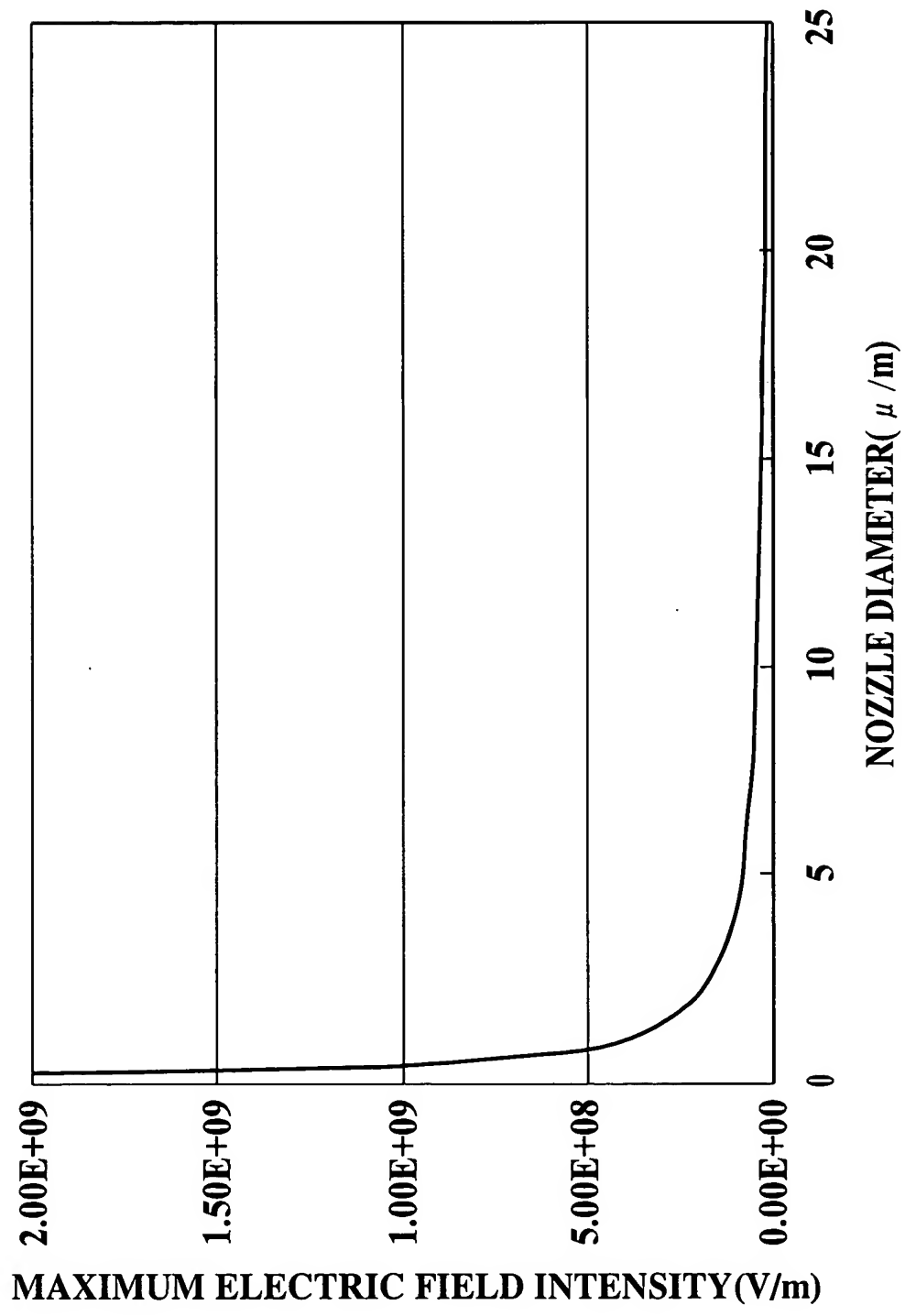
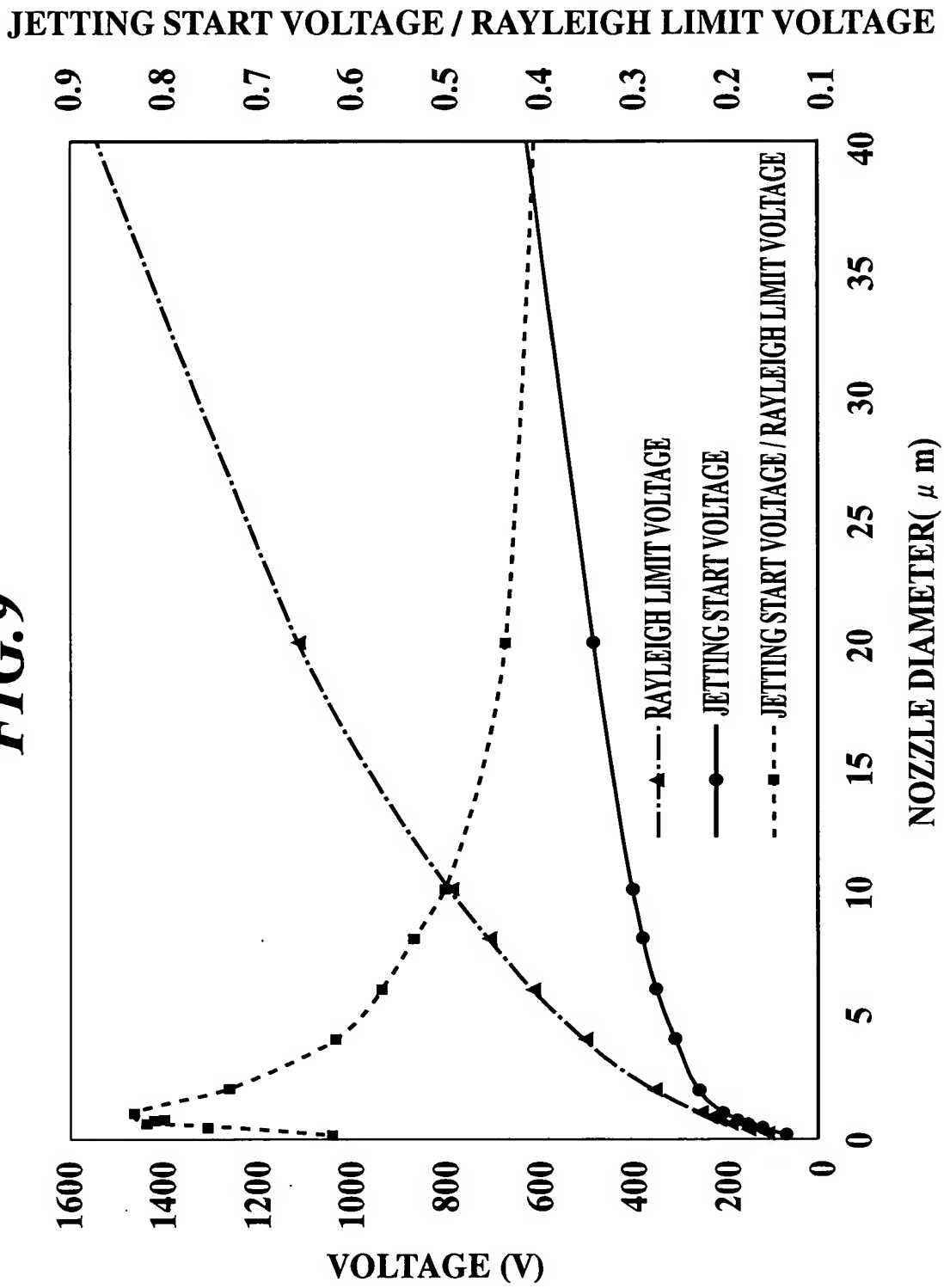
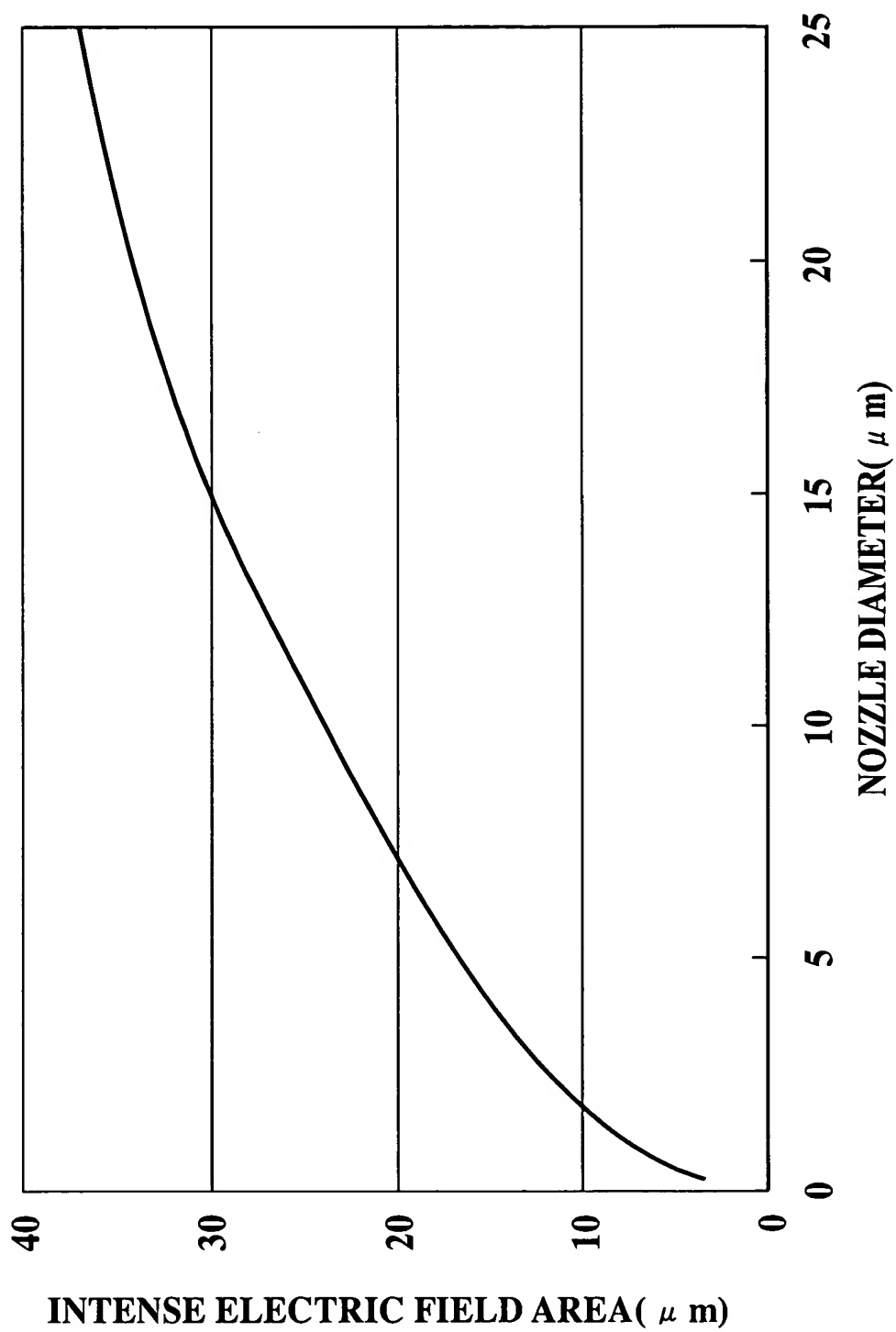


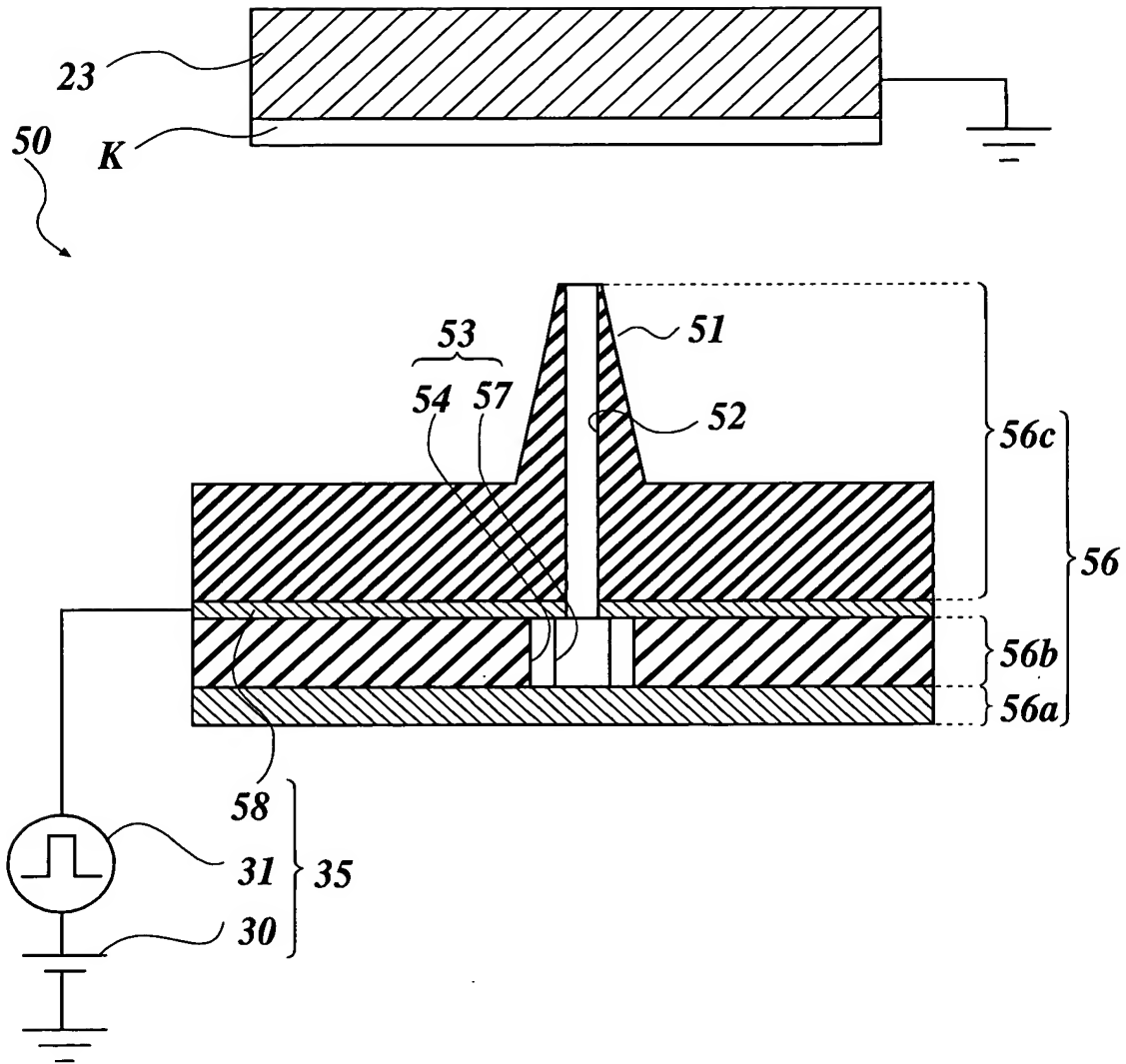


FIG.9



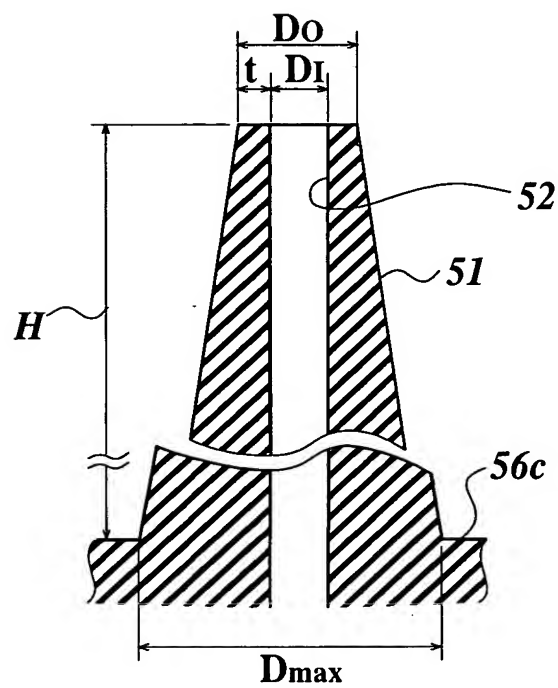
**FIG.10**



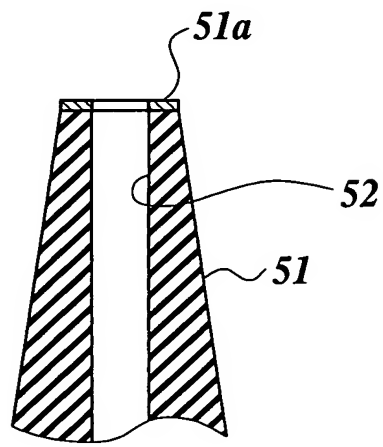
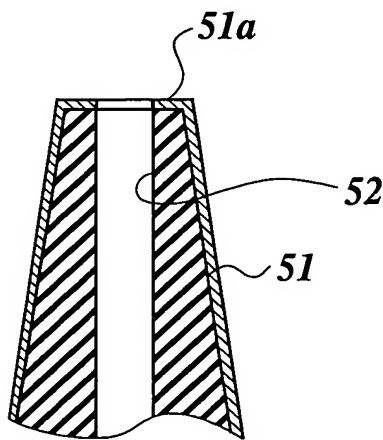
**FIG. 11**

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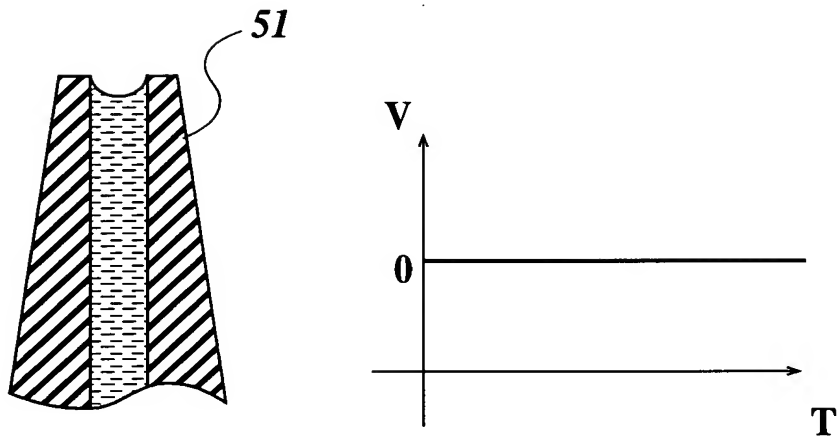
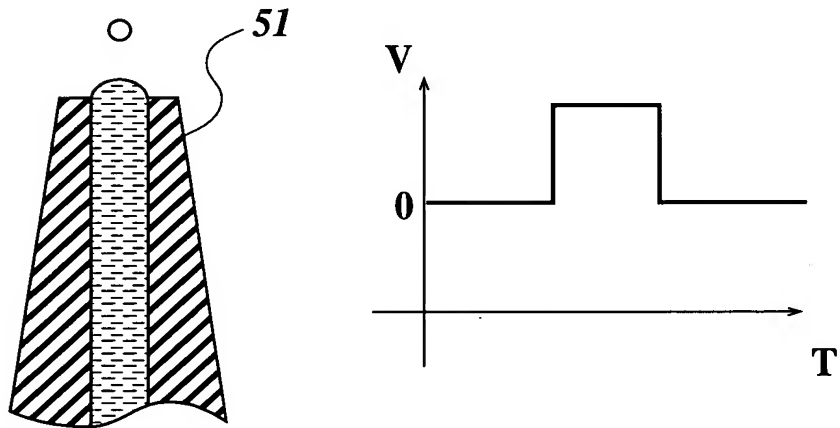
**FIG.12A**



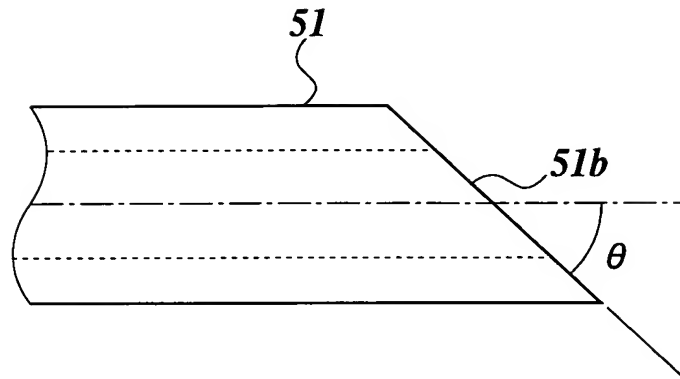
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**FIG. 13A****FIG. 13B**

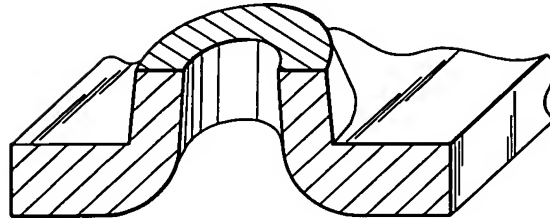
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**FIG.14A****FIG.14B**

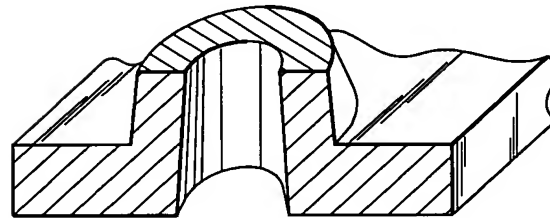
**FIG.15**



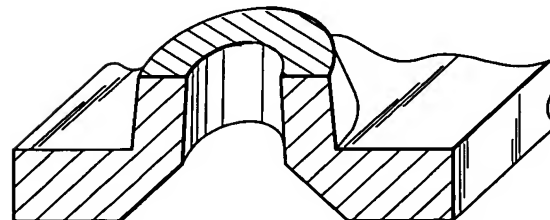
**FIG.16A**



**FIG.16B**



**FIG.16C**





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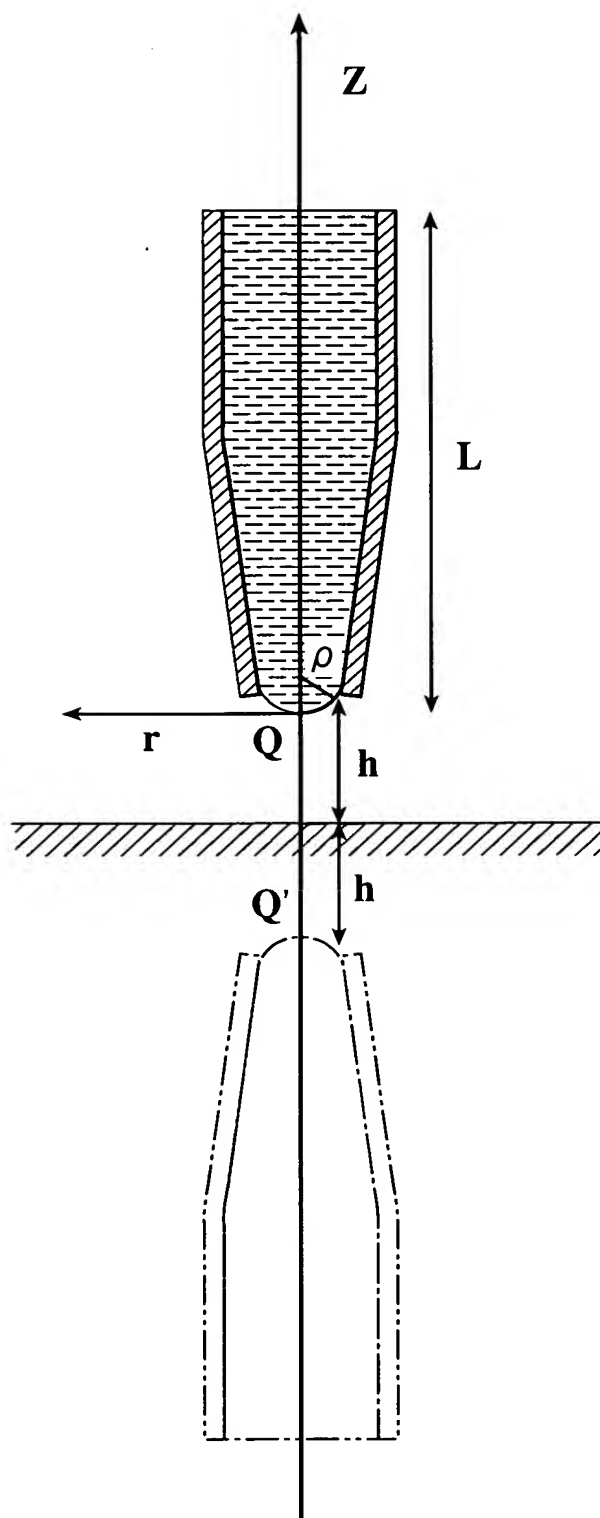
**FIG.17**

No.	DI( $\mu$ m)	DO( $\mu$ m)	D <sub>max</sub> ( $\mu$ m)	H( $\mu$ m)	EVENNESS
1	1	2	5	1	1
2	1	2	5	9	2
3	1	2	5	10	3
4	1	2	5	49	3
5	1	2	5	50	4
6	1	2	5	51	4
7	1	2	5	99	4
8	1	2	5	100	5

**FIG.18**

No.	DI( $\mu$ m)	t( $\mu$ m)	WATER REPELLENT PROCESSING	ANGLE OF NOZZLE EDGE SHAPE	RESPONSIVENESS
1	1	2	UNAVAILABLE	90	1
2	1	1	UNAVAILABLE	90	3
3	1	0.2	UNAVAILABLE	90	3.5
4	1	1	①	90	3.5
5	1	0.2	②	90	4.0
6	1	2	②	90	2
7	1	1	②	40	4.0
8	1	0.2	②	40	5.0
9	1	0.2	②	20	3.0

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**FIG. 19**



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**FIG.21**